

## CLAIMS:

1. A method of determining an angle  $\alpha$  of an external magnetic field relative to a magnetoresistive angle sensor with two full bridges which respectively supply an output signal  $U_1 = U_0 \sin(2\alpha)$ ,  $U_2 = U_0 \cos(2\alpha)$ , characterized in that the angle  $\alpha$  is determined in an analog manner using the relation  $\alpha = \frac{1}{2} * ((U_1/(|U_1|+|U_2|))-1 * \text{sgn}(U_2))$ .

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2. A method as claimed in claim 1, characterized in that AMR bridges are used, in particular Wheatstone bridges.

3. A method as claimed in claim 1 or 2, characterized in that output signals of the  
10 bridges are processed using analog elements.

4. The use of the method as claimed in any of claims 1 to 3 in motor vehicle technology, in particular for pedal monitoring and/or throttle monitoring.